-Qate:

Wednesday, 06/05/2009 8:51:35 AM

User: Julie Dawson

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

: 47761

Job Number **Estimate Number** : 11648

P.O. Number

Prsht Rev.

First Issue

Previous Run

This Issue

: 06/05/2009

: NC

: //

Type

S.O. No. :

: MACHINED PARTS

Part Number

Due Date

Drawing Name

Drawing Number

Project Number

: N/A : A1

Drawing Revision

Material

: 13/05/2009

: D2996

: D2996 REV A1

: BEARPAW

Qty:

6 Um:

Each

Written By Checked & Approved By

Comment

Est Rev:B New Manufacturing Process 08-11-15 JLM Verified

By:EC

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

2.0

MFG ENGINEERING



MFG ENGINEERING



Comment: MFG ENGINEERING

Program Batch number

MUHMWB10



Comment: Qty.:

2.7777 sf(s)/Unit

Total:

16.6662 sf(s)

Pick:

Material: Black UHMW 1"

Batch 11135

WATER JET 3.0

FLOW WATER JET





Comment: FLOW WATER JET

CUT BLANK AS PER FILE D2996

4.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Inspect material for defects or damage prior to machining

Machine as per folio FA120

Comment: HAAS CNC VERTICAL MACHINING #1

Deburr

Dart Aerospace Ltd

W/O:		WORK ORDER CI	WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
						i				

Part No: Dagg P	AR #:	Fault Category:	NCR: Yes No DQA:	Date: <u>89/05/3</u>
Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:4	1761	W	ORK ORI	DER NON-CONFORMANCI	E (NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
C9. VS.13	9	0.06x45° CHAMFER 15 0120×45° IN AFT CORNER, PART LIFTED DARING MACHINING	9 69.05.13 pr 08.042	Acceptable	28 0965/13	50105/13	95, W. 13 Pr OSI 042	Solvelis
		Rile Ances						

Date: Wednesday, 06/05/2009 8:51:36 AM User: Julie Dawson **Process Sheet** Drawing Name: BEARPAW Customer: CU-DAR001 Dart Helicopters Services Job Number: 47761 Part Number: D2996 Job Number: Seq. #: **Machine Or Operation:** Description: 5.0 QC2 INSPECT PARTS AS THEY COME OFF MACHINE Comment: INSPEC PARTS AS THEY COME OFF MACHINE 6.0 QC8 SECOND CHECK Comment: SECOND CHECK PACKAGING 1 PACKAGING RESOURCE #1 7.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 8.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart A	Aerospace	Ltd
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	Jopass .								
W/O:			WO	RK ORDER CHANG	GES				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								<u>}</u>	
Part No		PAR #:	Fault Cate	jory:	NCR: Ye	s No D	QA:	Date: _	
		solution:							
NCR:			WORK ORDE	R NON-CONFORM	ANCE (N	CR)		_	
DATE	STEP	Description of NC				Section B Verif			Approval
	JILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da	n& _{Se}	ction C	Approval Chief Eng	QC inspector

DART AEROSPACE LTD	Work Order:	47761	
Description: BEAR PAW	Part Number:	02996	
Inspection Dwg: 0.299/ Rev: 4-1		Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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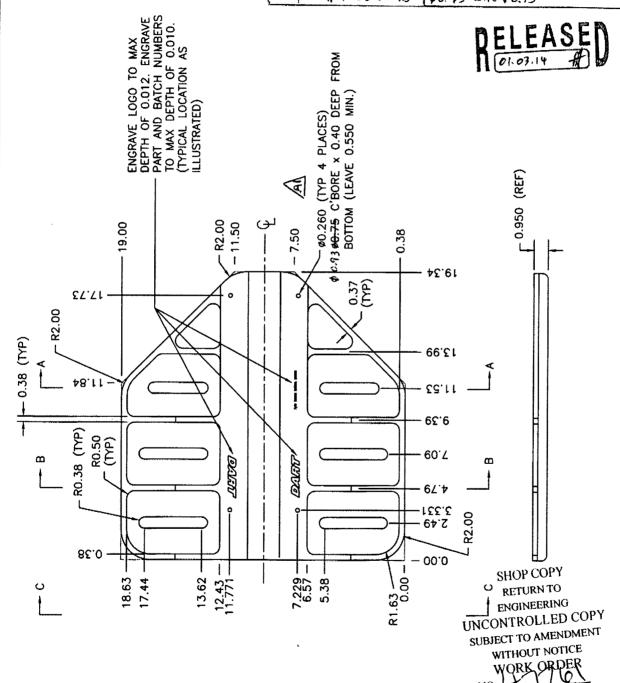
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
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.250	+,010	.251				
R0,250	± - 030	.250	_			
.250 X 45°	1.030 × 0.5"	.250	/			
5.86	t-030	5.867	/			
0.950	1.010	.953	/			
.433	1:010	.438				
19.00	£.030	19.00	/			
45%	±-030	4.552	/			
3.630	1-030	3.618	/			
7.229	+.010	7.236	/			
11.771	* -010	11.780	/			
-33	1.030	-375	/			
3.331	±.010	3.335	/			
17.73	± 030	17.73	/			
19.34	- 030	19-34				
\$.260	T.006001	259				
,300	+ 030 - 0.00	317	/			
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Meas	ured by:	SP	Audited by:	A	Prototype /	Approval:	1	
	Date: C	19/05/13	Date:	09.05.15		Date:		10
Rev	Date	Change		···		Revised t	oy ∐	Approved
Α		New Issue				KJ/JLM		





DE	SIGN	DRAWN BY	DART AEROSP, HAWKESBURY, ONTARI	
CH	ECKED A	APPROVED M	DRAWING NO.	REV. A
	H	SH	D2996	SHEET 1 OF 2
DA	TE		TITLE	SCALE
0	1.02.23		BEARPAW	1:6
A	\	01.02.23	NEW ISSUE	
A	1 4	F03.01.13	DO 93 WAS DO 75	



BEARPAW IS SYMMETRIC ABOUT CENTERLINE (EXCEPT FOR ENGRAVING) MATERIAL: UHMW BLACK PER SPEC CONTROL DRAWING D2689 DART QSI 018 UNLÉSS (MACHINE TO 0.950) TOLERANCES ARE PER 1.00 THICK

OTHERWIDE NOTED

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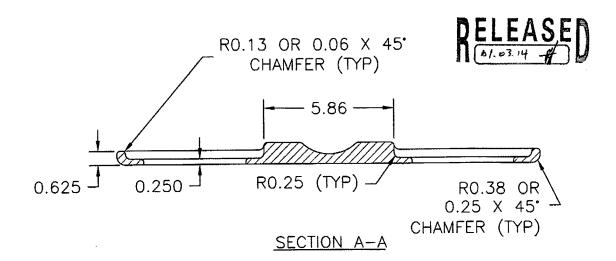
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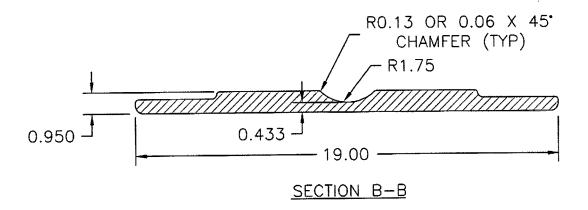
Dart Aerospace Ltd

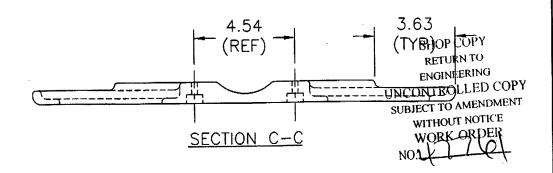
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W/O:			WO	RK ORDER CHANG	iES				
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
·									
Part No	:	PAR #:	Fault Categ	ory:	_ NCR: Yes	No DQ	A :	Date: _	4.5
	Res	solution:	Disposition	:	QA: N/C C	losed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCI	₹)			
DATE	STEP	Description of NC			tion B	Verifi	cation	Approval	Approval
	-	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	Sect	ion C	Chief Eng	QC Inspector



DESIGN (P	DRAWN BY	2.	ROSPACE LTD , ONTARIO, CANADA
CHECKED	APPROVED A	DRAWING NO.	REV. A
1	91	D2996	SHEET 2 OF 2
DATE	<u> </u>	TITLE	SCALE
01.02.23		BEARPAW	1:4







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DATE	STEP	PRO	OCEDURE CHAI	EDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No:		PAR #:	Fault Category: N			NCR: Yes No DQA: Date:				
Resolution:			Disposition: Q			N/C CI	osed:	Date:		
NCR:			WORK ORDE	ER NON-CONFORM	MANCE	(NCR)			
DATE	STEP	Description of NC Section A	Corrective Action Section B				Verific	ation	Approval	Approval
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